

BACKGROUND: ① **ARISTOTLE ON MOTION:** **DYNAMIS** = POTENCY AS THE SOURCE OF POWER TO EFFECT CHANGE; **ENERGIA** = ACT OR INTELECTY, THAT MODE OF EXISTENCE WHEN THE CHANGE WAS FULLY REALIZED [MANIFESTED AS MOTION].

② **NEWTON ON FORCE:** **FORCE** = THE CHANGE IN MOMENTUM OF A BODY DIVIDED BY THE TIME OF THE CHANGE [OR **MASS** - AS THE QUANTITATIVE MEASURE OF INERTIA - TIMES THE ACCELERATION OF A GIVEN BODY. "EVERY BODY CONTINUES IN ITS STATE OF REST, OR OF UNIFORM MOTION IN A RIGHT LINE, UNLESS IT IS COMPELLED TO CHANGE THAT STATE BY FORCES IMPRESSED UPON IT." RATE OF CHANGE OF MOMENTUM IS PROPORTIONAL TO THE UNBALANCED FORCE AND IS IN THE DIRECTION OF THAT FORCE. $F = MA$.] ③ **HEGEL ON LIGHT:** **LIGHT** = THE SELF-INCLUDED TOTALITY OF MATTER AS PURE FORCE, AS THE INTENSIVE LIFE SUSTAINING ITSELF IN ITS OWN BEING, WHOSE WHIRL CONSISTS IN THIS IMMEDIATE OPPOSITION IN THE DIRECTION OF SELF-RELATING MOTION, IN WHOSE INFLOX AND EFFLUX ALL DIFFERENCE IS ANNULLED - THE ABSOLUTE LINE. IT IS THE PURE EXISTING, FORCE OF SPATIAL REFLECTION; ITS BEING IS ABSOLUTE VELOCITY, PRESENT PURE MATERIALITY, REAL EXISTENCE IN ITSELF, OR REALITY AS A TRANS-RENT POSSIBILITY.

④ **ENERGY** = THE ABILITY TO DO WORK IN RELATION TO SOME SPACE-TIME UNIT. → EMERGED AS THE RESULT OF THE FIRST SUCCESSFUL STEAM ENGINES AND THE THERMODYNAMIC THEORIES OF SADI CARNOT. ⑤ IN AN ALTERED WAY THE CONCEPTS OF **POTENTIAL** AND **KINETIC** ENERGY STILL REFLECT ARISTOTELIAN THOUGHT. ⑥ **EINSTEIN ON ENERGY:** ENERGY IS **POWER** WHICH IS EXPENDED AS THE QUANTITATIVE MEASURE OF INERTIA [MASS] TIMES THE VELOCITY OF LIGHT MULTIPLIED BY ITSELF: $E = MC^2$. THIS MEANS THAT ENERGY EXISTS IN A STATE THAT TRANSCENDS THE SPEED OF LIGHT, WITH LIGHT AS THE MANIFESTATION OF ENERGY. THE SOURCE OF ENERGY IS BEYOND ALL MOTION, THAT IS CONSCIOUSNESS, WHICH IS SYSTEM OF MONADS - **CHRONONS** = THE ULTIMATE UNITS OF **TIME**. TIME ITSELF, AS THE MATRIX OF ALL CHANGE IS EMBEDDED IN **ETERNITY** [A CONCEPT WHICH TRANSCENDS EVEN THE IDEA OF SUBSTANCE].

META-ENERGY: THE BELIEF THAT ALL ENERGY IS PSYCHIC IN NATURE AND ONLY IN INSTRUMENTALLY MATERIAL, HAS A HISTORY WHICH BEGINS IN THE WEST IN THE 19TH CENTURY. [THE HISTORICAL CUTOFF IS IN RELATION TO THE MODERN DEFINITION OF ENERGY.]

① THE TWO SOURCES OF THIS BELIEF ARE THE THEORIES OF THE SCIENTIFIC EVOLUTIONISTS AND THE REVELATORY INVENTORS.

② THE SCIENTIFIC EVOLUTIONISTS BELIEVED: **ENTROPY** = THE PROCESS OF GRADUAL UNAVAILABILITY OF ENERGY WITHIN A SYSTEM - TIME HAS A DIRECTION, **SYNTROPY** = THE GRADUAL INCREASE WITHIN A SYSTEM OF A MORE COMPLEX ENERGY QUANTA; TIME IS MULTI-DIRECTIONAL. IN THIS CASE ENERGY IS ASSOCIATED WITH LIFE [THE "ELAN-VITAL" OF BERGSON]. ENERGY WAS IDENTIFIED WITH INFORMATION IN THE FORMS OF ORDER-SYSTEM AND RANDOM-DISORDER. THIS IS DIFFERENT FROM THE IDEA OF ENERGY DERIVED FROM THE MECHANICS OF IMPACT, IMPULSE, OR MOMENTUM OF MATERIAL PHYSICS [WITH ITS 4 DEFINED FIELDS - THE ELECTROMAGNETIC, THE GRAVITATIONAL AND THE WEAK AND STRONG NUCLEAR FORCES]. ③ THE REVELATORY INVENTORS BELIEVED [AND STILL BELIEVE] THAT ENERGY IS IDENTIFIED WITH **REVELATION** AS DESCRIBED IN RELIGIOUS AND ESOTERIC TRADITIONS. THEY CREATED OR ADOPTED NAMES FOR A REVELATORY ENERGY THAT WAS AT BASE THE SAME. SOME OF THE NAMES ARE: OIG FORCE, LIFE ENERGY, ELAN-VITAL, BIOPLASMIC ENERGY, PRANA, MANA, ANIMAL MAGNETISM, MAGNALE MAGNUM, AURIC ENERGY, N-PAYS, ETHERIC FORCE, KUNDALINI, TELLURIC ENERGY, PSYCHOTRANSMIC ENERGY, KI, CHI, PURE OF FREE ENERGY, TUMO, VIOLET FLAME, ORGONE ENERGY, Q-ENERGY, VIBRATIONS, VRIIL, THE FOURTH DIMENSION, PYRAMID POWER, PENDULUM POWER, DREAM POWER, PSI FIELDS, THE HOLY SPIRIT, HOLISTIC HEALING ENERGY, EN-SOF, ELIXIR VITAE, ABRAXAS, THE PHILOSOPHER'S STONE, EKMANATIONS, AZOTH, THE QUINTA ESSENTIA, PNEUMA, SHAKTI, ETC. THESE VARIOUS NAMES REVEAL CONNECTIONS WITH NEUTRALISM, TAOISM, ALCHEMY, CHRISTIANITY, TEUTONIC MYTHS, THE OCCULT, PARANORMAL PHENOMENA, PSYCHOLOGY, THE KABBALAH, ARCHAEOLOGICAL RESEARCHES, PYTHAGOREANISM, ETC.

④ CONCEPTUALLY THE CONVERGENCE BETWEEN THE ENERGY OF MATERIAL PHYSICS AND THE CONSCIOUSNESS ORIENTED ENERGIES OF THE SCIENTIFIC EVOLUTIONISTS AND THE REVELATORY INVENTORS, WAS ACHIEVED IN THE 1920'S AND 30'S BY **TEINHARD DE CHARDIN**, WHO PROPOSED A TOTAL COSMIC OR META-ENERGY. THIS COSMIC ENERGY [WHILE PSYCHIC AT BASE] HAS TWO MODALITIES: ① **TANGENTIAL ENERGY** = THE ENERGY OF THE MOMENTUM MANIFESTED BY RADIATION OR ARRANGEMENT; ② **RADIAL ENERGY** = IT ORBS ELEMENTS TOWARD EVER GREATER INTERNAL COMPLEXITY AND CENTRICITY. THIS IS THE NEURGERY OR PSYCHERGY WHICH GUARANTEES THE TIME DIRECTIONALITY WHICH TANGENTIAL ENERGY DOES NOT.

⑤ IN "THE PHENOMENON OF MAN", TEINHARD DE CHARDIN DECLARED, "... THE VARIATION OF RADIAL ENERGY IN FUNCTION WITH TANGENTIAL IS EFFECTED, ACCORDING TO OUR HYPOTHESIS, BY THE INTERVENTION OF AN ARRANGEMENT, IN WHICH IT FOLLOWS THAT AS MUCH AS YOU LIKE OF THE FIRST [TANGENTIAL] MAY BE LINKED WITH AS LITTLE AS YOU LIKE OF THE SECOND [RADIAL] FOR A HIGHLY PERFECTED ARRANGEMENT MAY REQUIRE AN EXTREMELY SMALL AMOUNT OF WORK." FURTHER ON HE SAID, "... WE ARE PARADOXICALLY LED TO ADMIT THAT COSMIC ENERGY IS CONSTANTLY INCREASING, NOT ONLY IN ITS RADIAL FORM, BUT [WHICH IS MUCH MORE SERIOUS] IN ITS TANGENTIAL ONE - FOR THE TENSIONS BETWEEN ELEMENTS INCREASES WITH THEIR CENTRICITY ITSELF. THIS WOULD SEEM TO BE IN DIRECT CONTRADICTION WITH THE LAW OF CONSERVATION OF ENERGY". IN ESSENCE TEINHARD DE CHARDIN OFFERS A VISION OF ENERGY, NOT OF DECOMPOSITION TOWARD EQUILIBRIUM, BUT AN EVER INCREASING TENSION PRODUCING COMPLEXITY FROM THE CONSUMMATION OF THE UNIVERSE - THE OMEGA POINT. TEINHARD DECLARED THIS WAS NOT TRADITIONAL TELEOLOGY BECAUSE EACH OMEGA POINT BECOMES AN ALPHA POINT OF AN OTHER UNIVERSE.

THE ATTEMPT TO UNITE TANGENTIAL WITH RADIAL ENERGY: [THIS WOULD MEAN THAT BOTH A QUALITATIVE AND QUANTITATIVE LINK COULD BE DISCOVERED BETWEEN THE TWO MODALITIES OF ENERGY.]

① THE SUCCESSFUL LINK WOULD MEAN: ① BEHAVIOR AND EMOTIONS WOULD BE LINKED INTERMS OF THE PHYSICAL CONCEPTS OF WORK AND THE SUBTANT CONCEPTS OF PURPOSE, AS HAS BEEN SUGGESTED BY ARTHUR M. YOUNG. ② MENTAL STATES THAT WERE CONSIDERED INACCESSIBLE TO ENGINEERING, WOULD BECOME OPEN TO ALTERATION, DESIRE OR WILLING COULD BE INCREASED OR DECREASED. CREATIVITY AND INTELLIGENCE COULD BE CHANGED. SUCH "META-PHYSICAL" ORIENTED CONCEPTS LIKE DOUBT OF FAITH COULD BE ENGINEERED. ALTERNATIVES TO THE "CLASSIC" DICHOTOMY OF THE STATES OF LIFE OR DEATH COULD BE FOUND. ③ ANCIENT CONCEPTS SUCH AS INVISIBILITY, LEVITATION, IMMORTALITY, ELI-LOGATION, PERPETUAL MOTION, TIME TRAVEL, ETC. WOULD BE ACTUALIZED. ④ THE EXPLANATION FOR SUCH IDEAS AND INVENTIONS WHICH RELATE MIND TO MATTER, AS AN INTERACTION WOULD BE FOUND. SOME OF THE INVENTORS AND THEORETICIANS ARE: WILHELM REICH, NIKOLA TESLA, GEORGE DE LA WARR, T. GALVIN NIKONYANUS, GEORGE W. VAN TASSEL, ROBERT RAVITA, NIKOLAI KOZYREV, ETC. ALL OF WHOM HAD POSTULATED NEW FORMS OF ENERGY STORAGE BY NEW METHODS, SUCH AS: STORAGE OF ENERGY IN DREAMS, THE CREATION OF NEW GODS OR AGENTYPES WHICH HAVE PHYSICAL MANIFESTATIONS, OR THE USE OF SUCH ENTITIES OF PARANORMAL RELIGIONS OR ANTHOLOGIES SUCH AS ANGELS AND ELEMENTALS WILL OCCUR. ⑤ THE LOGICAL DISTINCTION BETWEEN ALL FORMS OF KNOWLEDGE WILL DISAPPEAR AS THE ANCIENT CONCEPT OF MAGIC WILL ABSORB THE HISTORY OF EXTERNAL TECHNOLOGY SO THAT MACHINERY WILL HAVE NO INTERFACE BETWEEN WILL AND ACHIEVEMENT, EXCEPT HUMAN NATURE ITSELF [WHOSE POTENTIAL IS UNLIMITED]. ⑥ A POSSIBLE FUTURE WILL BE REVEALED THAT CANNOT BE PREDICTED OR IMAGINED.

② IN MY OPINION THE TWO DISCIPLINES WHICH MUST CONVERGE FOR THE LINK BETWEEN TANGENTIAL AND RADIAL ENERGY ARE: ① **MORPHOGENESIS:** THIS IS THE STUDY OF PATTERNS AND FORMS IN NATURE FROM THE POINT OF VIEW OF BIOPHYSICS, CYBERNETICS, AND MATHEMATICAL LANGUAGE. THIS DISCIPLINE IS REPRESENTED BY: PYTHAGORAS, HERACLIETUS, GOETHE, RUDOLF STEINER, D'ARCY THOMPSON, R. BUCKMINSTER FULLER, RENE THOM, B. LANGHAM, G. MANDEL BROTT, ETC. AND ② **MIND-PHYSICS:** OR "THE PHYSICS OF CONSCIOUSNESS"; THIS IS THE PROPOSED BODY OF THEORETICAL EXPLANATIONS FOR PARANORMAL PHENOMENA [TELEPATHY, PSYCHOKINESIS, PRECISE RETRO COGNITION, ASTRAL PROTECTION, ETC.] WITHIN THE FRAMEWORK OF THE NON-REPEATABLE EXPERIMENT. THIS DISCIPLINE IS REPRESENTED BY: WILLIAM JAMES, SWAMI VIVAKRANANDA, LEONARD TROLAND, C.T. DUCASSE, OLIVER REISER, ARTHUR M. YOUNG, ETC. THE CONVERGENCE OF MORPHOGENESIS AND MIND-PHYSICS WOULD BE: **NOO-MORPHO-PHYSICS**.

SOME HISTORICAL AND CONTEMPORARY INDICATORS OF THE LINK BETWEEN TANGENTIAL AND RADIAL ENERGY IN NATURE:

① THE VELOCITY OF LIGHT - C OR 299792458 M/S. IS CONSIDERED THE LIMITING VELOCITY OF PARTICLES, AS A PARTICLE APPROACHES C , ITS MASS INCREASES LOGARITHMICALLY. THEREFORE, ANY VELOCITY WHICH IS SAID TO EXCEED C BEYOND ENERGY IS EXPRESSED AS CONSCIOUSNESS, OR THAT WHICH EXISTS WITHOUT MASS. IT IS NOT KNOWN WHETHER C ACTUALLY EQUALS ZERO OR INFINITY AT THE LOGICALLY ASSIGNED POINTS OF THE EARTH. ENERGY BELOW C IN VELOCITY IS PARAGATED IN WAVE PATTERNS. THE CONFIGURATIONS OF THESE WAVE FRONTS ARE THE FIVE PLATONIC CONVEX SOLIDS RELATED TO EACH OTHER BY PHI. THE "SOLID PROPORTION": THE TETRAHEDRON, THE OCTAHEDRON, THE HEXAHEDRON, THE ICOSAHEDRON, THE DOSECAHEDRON - ENERGY ABOVE C IN VELOCITY IS NOT PROPAGATED BY WAVES AT ALL, BUT IS SIMPLY SUPERIMPOSED AT ONCE. ② THERE ARE ASPECTS OF REALITY ABOVE AND BELOW C : ① THE OCTAVE OF SPATIALITY: SUB-SPACE [POINT-LINE-PLANE-SOLID] THE VELOCITY OF LIGHT/SUPER-JUMPS [SOLVOID-VOISOD-VOID-RAUM] ② THE OCTAVE OF TEMPORALITY: SUB-TIME [INSTANT-INTERVAL-SUCCESSION-DURANCE] THE VELOCITY OF NOW; SUPER-TIME: [THE-ETERNITY-HYPARXUS-ZEIT]. EXAMPLES: WHEN A PENDULUM SWINGS, ITS OSCILLATION PATTERN IS: REST-SWING-REST. THE SWING OCCURS AT REALITY LEVEL 3 OR [SOLVO-DURANCE] THE REST POINTS OCCUR AT REALITY LEVEL 4 [SOLVOID-TIME] AND ARE NATURAL CONNECTIONS TO A HIGHER ENERGY ASPECT OF REALITY. THE BLACK-WHITE-NOISE, THE WORMHOLE [A MICRO-VERSION OF THE BLACK-WHITE-HOLE, WHICH IS IN BETWEEN GRONS OR GRAVITY-WAVE PACKETS], AND THE PHOTON, ALL INVOLVE A DESCRIPTION OF THEIR BEHAVIOR IN RELATION TO ANGULAR MOMENTUM WHICH INCREASES WITHOUT LIMIT AS THE CENTROID IS APPROACHED. THEY ARE NATURAL CONNECTIONS TO A HIGHER REALITY ASPECT. THE ANGULAR MOMENTUM OF ELEMENTARY PARTICLES, SUCH AS AN ELECTRON EQUALS $\frac{1}{2} \hbar$. \hbar IS PLANCK'S CONSTANT, $h = 6.624 \times 10^{-34}$ ERG/SEC. PHI OR ϕ AND FIBOR Φ ARE RELATED: $\Phi = \phi^2 / \phi^2$. ϕ IS THE POSITIVE SOLUTION TO THE EQUATION: $X^2 + X - 1 = 0$, OR $X = \frac{1 + \sqrt{5}}{2}$, OR 1.61803398... $\Phi = 3.14159265...$ THUS ϕ IS RELATED TO \hbar BY ANGULAR MOMENTUM: $A = \frac{1}{2} \hbar \left[\frac{\phi^2}{\phi^2} \right]$. THE BASE E OF NATURAL LOGARITHMS IS $2.71828...$ IS RELATED TO ϕ . THE VALUE A THAT SATISFIES THE EQUATION: $N^2 + [N\pi] = [N\pi A]$ AS $N \rightarrow \infty$ IS $A = \log_e \phi$ OR $A = \log_e \frac{1 + \sqrt{5}}{2}$ OR $E = \phi$ PLANCK'S CONSTANT, THEREFORE, CAN CONTAIN AN UNLIMITED AMOUNT OF ENERGY BY SMALL GETTING SMALLER, AS IT HAS NO MASS. ③ PHI OCCURS AS AN ORDERING PRINCIPLE IN NATURE IN THE FORM OF ① THE LOGARITHMIC SPIRAL: ITS IN THE: SNOWFLOWER FLOWER PATTERN, LEAF PATHS TOWARD LIGHT, PLANT GROWTH, THE CURVE OF MOUS NUMBERS IT IS: 0-1-1-2-3-5-8-13-21-34-55-89... THIS SERIES OCCURS IN: BREEDING SEQUENCES, LEAF DIVERGENCE, BREEDING IN PLANT LIFE, THE WAVE LENGTH SERIES OF THE MUSICAL CHROMATIC SCALE, FROM C TO C' OF THE 12 SEMITONES PLOTTED AS RADI OF A LOGARITHMIC SPIRAL, THE CYCLE OF PHOS IN THE PLANETARY WHEELS FROM THE SUN [81-84-72-48-64-42-56] PLOTTED AS RADI OF A LOGARITHMIC SPIRAL, THE NUMBER OF EMERGENT LIGHT RAYS FROM MULTIPLE REFLECTIONS ON TWO SHEETS OF GLASS IN CONTACT, THE HISTORY OF AN ELECTRON AS IT GAINS AND LOSES QUANTA ENERGY FOR ITS ATOM, THE PLOTTING OF THE ATOMIC ISOTOPE OCCURRENCES: 2-8-20-50-82-116... AGAINST POLAR COORDINATES DRAWING A LOGARITHMIC SPIRAL. ② THE TRADITIONAL INTERPRETATION OF THE LOGARITHMIC SPIRAL IN NATURE IS THAT IT IS CHARACTERISTIC NOT OF LIVING OR MOVING TISSUE, BUT OF THE DEAD OR NON-MOVING TISSUE. IN THE GREAT PYRAMID AT GIZA [IN ESSENCE A TOMBSTONE], PHI IS THE ORGANIZING PROPORTION AND IS SAID TO BE THE SOURCE OF PYRAMID POWER. THE SLOPE ANGLE OF THE TRIANGULAR FACETS IS 51° 52' WHICH IS PRODUCED BY ϕ . ③ AND 1/2 ϕ . THE EGYPTIAN MYTHS OF DEATH ARE BALANCED BY THEIR MYTHS OF LIFE, ESPECIALLY OF LIFE, ESPECIALLY OF LIFE, ESPECIALLY OF LIFE. THEREFORE, THE DUALITY PROPORTION WHICH CONNECTS LIFE AND DEATH, MIND AND MATTER. PHI IS THE MANIFESTATION FROM THE LEVEL OF REALITY CALLED TIME, OR THE OPENING TO TIME AS THE FORM OF ENERGY WHICH [BY MEANS OF MANIFESTATION OF POSSIBILITIES] CONTROLS MOVEMENT. THERE IS AN ABYSS OF TRANSITION, DISCOVERED BY NIKOLAI KOZYREV, [THE SEPARATION IN TIME AND SPACE BETWEEN A CAUSE AND ITS EFFECT] WHICH IS FILLED WITH THE CONTROLLING POWER OF PHI. THE ALCEBIUS STAIR [WHICH IS AN INTER-DIMENSIONAL FORM - BETWEEN THE PLANE AND SOLID OR SPATIALITY] CAN BE REVERSED INTO A RIGHT AND LEFT HANDED ELECTROMAGNETIC UNIT FROM BOTH OF THE MOBIUS STRIPS CAN CONVERGE INTO A KLEIN BOTTLE WHICH IS THEN IN BETWEEN SOLID AND SOLVID. THIS HIGHER ASPECT OF REALITY IS [A MANIFESTATION OF A HIGHER DIMENSION OR PRAXIS SURFACE CONTROLLED BY PHI]. ④ THIS LEADS TO THE CONCLUSION THAT META-ENERGY OR AT LEAST CERTAIN ASPECTS OF IT ARE CONTROLLED BY PATTERN OR FORM DIRECTLY [IN RELATION TO THE HUMAN MIND], MAKING SUCH CONCEPTS AS THE CONVERGENCE OF ACT AND SCIENCE, OR $M = O/C$ (FORBER OVER COMPLEXITY) AND AN ETHICAL MEASURE: $M = G$ OR THE TOTAL GOOD ACHIEVED, IN LIFE MANNER, THE SOCIOLOGIST PITRUM SOAKIN DEVED A FORMULA FOR THE FREEDOM OF AN INDIVIDUAL, WHICH EQUALS THE SUM OF AVAILABLE MEANS OF POSSIBILITIES OF GRATIFICATION OF WISHES DIVIDED BY THE SUM OF THE WISHES: $FREEDOM = \frac{M}{W}$. SUCH A MEASURE IS RELATED TO ϕ . IN CONNECTION WITH ENERGY, EINSTEIN'S EQUATION FOR ENERGY: $E = MC^2$, TO READ $E = \lambda C^2$, OR $E = \lambda C^2$. THIS WOULD BE MORE IN CONFORMITY WITH NATURE. $CIB = \dots$ WOULD REPRESENT MASS IN MOTION, AND $382 = \dots$ [THE OTHER PART OF THE FIBOR SERIES CONVERGENCE] WOULD REPRESENT CONSCIOUSNESS IN POSSIBILITIES. THEN IT COULD BE SAID THAT TECHNOLOGY AND MORALITY COULD BE SEEN AS A VISION OF ONENESS.